

dNTPS

ATC	<u>Primer → T CAXX</u>	3
ATG	<u>Primer → T X-XX</u>	1
ACG	<u>Primer → X-X</u>	0
TCG	<u>Primer → T CX--X</u>	2
WT-----	A GTCCACATCCT-----	(SEQ ID NO:16)
ATC	<u>Primer → X X</u>	0
ATG	<u>Primer → G XX</u>	1
ACG	<u>Primer → G CAGX-X</u>	5
TCG	<u>Primer → G CX--X</u>	2
MU-----	C GTCCACATCCT-----	(SEQ ID NO:17)

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3' **XTCATACTAXTCCAT**GAGTATCTTTAGACACCTGTATTTCG 5' L63 + PRIMER (1) (SEQ ID NO:18)
5' AGACAGTATGATCAGGTACTCATAGAAATCTGTGGACATAAAGC 3' PRO63L(G)-R (SEQ ID NO:19)

X

3' GAGTATCTTTAGACACCTGTATTTCG 5' L63P + PRIMER (2) (SEQ ID NO:20)
5' AGACAGTATGATCAGGTACCCATAGAAATCTGTGGACATAAAGC 3' PRO63L(G)-R (SEQ ID NO:21)

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3' **XTCATACTAXTCCAT**GGGTATCTTTAGACACCTGTATTTCG 5' L63P + PRIMER (3) (SEQ ID NO:22)
5' AGACAGTATGATCAGGTACCCATAGAAATCTGTGGACATAAAGC 3' PRO63P(G)-R (SEQ ID NO:21)

X

3' GGGTATCTTTAGACACCTGTATTTCG 5' L63 + PRIMER (4) (SEQ ID NO:23)
5' AGACAGTATGATCAGGTACTCATAGAAATCTGTGGACATAAAGC 3' PRO63P(G)-R (SEQ ID NO:19)

FILE - 5A

PRIMER-SPECIFIC AND MISPAIR EXTENSION
ASSAY FOR IDENTIFYING GENE VARIATION

Yu-Wen Hu
Serial No. 09/782,361
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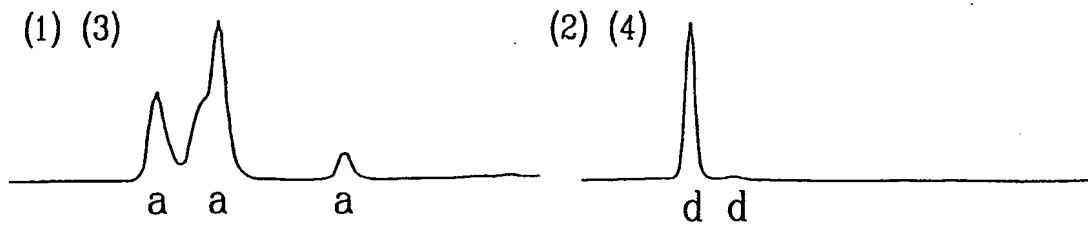


FIG. 6B

3'	XXAGACTTCTGAGTCTAACCAACGTGAAATTTA	5' PRO90L-R	(1)	(SEQ ID NO:24)
5'	--AATCTGAAGACTCAGATTGGTTGCACTTTAAAT---	3' L90	(SEQ ID NO:25)	
X				
3'	TTCTGAGTCTAACCAACGTGAAATTTA	5' PRO90L-R	(2)	(SEQ ID NO:26)
5'	--AATCTGATGACTCAGATTGGTTGCACTTTAAAT---	3' L90M	(SEQ ID NO:27)	
5'	CTGTCAACATAATTGGAAGAAATCTGATGACGCAGAXX	3' PRO90M-F	(3)	(SEQ ID NO:28)
3'	--GACAGTTGTATTAAACCTTCTTTAGACTACTGCGTCTAA---	5' L90M	(SEQ ID NO:29)	8/10
X				
5'	CTGTCAACATAATTGGAAGAAATCTGAT	3' PRO90M-F	(4)	(SEQ ID NO:30)
3'	--GACAGTTGTATTAAACCTTCTTTAGACAACTGAGTCTAA---	5' L90	(SEQ ID NO:31)	

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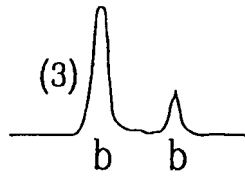
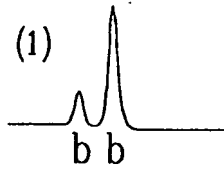


FIG. 7B

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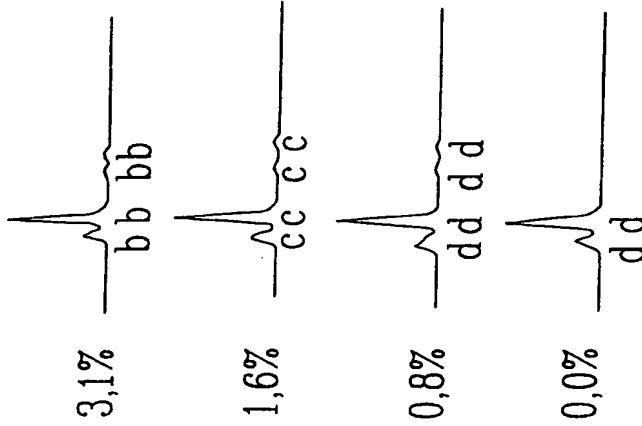
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	→ T	AGTTGTATTAAXX	(SEQ ID NO: 32)
MU	---	A	TCAACATAATTGGAAAGA (SEQ ID NO: 33)
	→ X	---	
WT	---	G	---

FIG. 1